

# Converting Colors

XYZ(32.1641, 31.0303, 78.7541)

Have a look what the booklet for  
XYZ(32.1641, 31.0303, 78.7541)  
contains.

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# Color

**XYZ(32.1194, 31.1147,  
78.4416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7396E5
RGB	115, 150, 229
RGB Percent	45%, 59%, 90%
CMY	0.5490, 0.4118, 0.1020
CMYK	0.50, 0.34, 0.00, 0.10
HSL	222°, 69%, 67%
HSV	222°, 50%, 90%
XYZ	32.1194, 31.1147, 78.4416
YIQ	148.5410, -46.2190, 17.1490

# Conversions

## Conversions Part 2

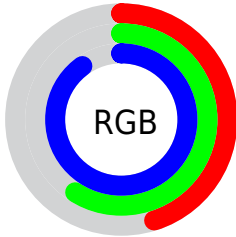
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	115, 142, 229
Decimal	7575269
CIE Lab	62.60, 9.46, -43.77
CIE LCh	63, 44.776, 282.191
Yxy	31.1147, 0.2267, 0.2196
Android (android.graphics.Color)	4285765349 (0xFF7396E5)
YUV	148.5410, 39.6663, -29.4155
Hunter-Lab	55.7806, 5.1674, -44.3304

# Details

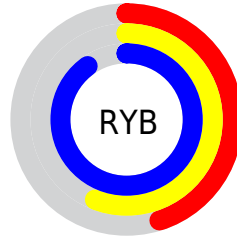
The XYZ color **32.1194, 31.1147, 78.4416** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **54.7007, 56.4811, 24.2400**, and the grayscale version is **28.2284, 29.6985, 32.3417**.

A 20% lighter version of the original color is **56.6561, 59.1764, 103.0438**, and **13.7309, 12.9722, 41.3154** is the 20% darker color. If you saturate the color by 10%, you get **27.1105, 25.0248, 77.5307**, and if you desaturate by 10%, it is **38.2214, 38.2783, 79.5033**.

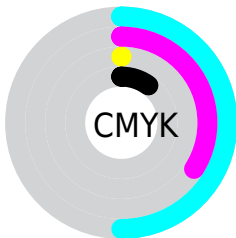
# Distribution



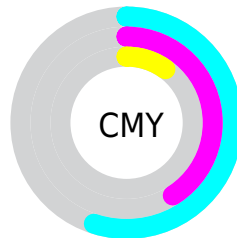
- Red (45%)
- Green (59%)
- Blue (90%)



- Red (45%)
- Yellow (56%)
- Blue (90%)



- Cyan (50%)
- Magenta (34%)
- Yellow (0%)
- Black (10%)



- Cyan (55%)
- Magenta (41%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1194, 31.1147, 78.4416 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 32.1194, 31.1147, 78.4416 by changing the saturation by 10% instead.



■ 32.1194, 31.1147,  
78.4416

■ 32.1194, 31.1147,  
78.4416

303.3984,  
307.0664, 509.2329

■ 21.6087, 20.6862,  
57.9182

■ 62.3622, 61.4206,  
132.9640

■ 13.6847, 12.8948,  
41.3286

■ 82.8249, 82.0668,  
167.8001

■ 7.9819, 7.3562,  
28.2543

■ 107.3358,  
106.8877, 208.2441

■ 4.1351, 3.6858,  
18.2768

136.2600,  
136.2677, 254.7147

■ 1.7788, 1.4994,  
10.9774

169.9631,  
170.5912, 307.6303

■ 0.5049, 0.2883,  
5.9376

208.8102,

■ 0.0000, 0.0000,

210.2425, 367.4095

2.7390

253.1669,  
255.6061, 434.4708

■ 0.0000, 0.0000,  
0.9630

■ 0.0000, 0.0000,  
0.0000

■ 32.1194, 31.1147,  
78.4416

■ 32.1194, 31.1147,  
78.4416

■ 27.1105, 25.0248,  
77.5307

■ 38.2214, 38.2783,  
79.5033

■ 23.1212, 19.9488,  
76.7612

■ 45.4767, 46.5641,  
80.7202

■ 20.0736, 15.8254,  
76.1260

■ 53.9449, 56.0218,  
82.0994

■ 17.8754, 12.5837,  
75.6161

■ 63.6803, 66.6965,  
83.6468

■ 16.3806, 10.1231,  
75.2199

■ 74.7339, 78.6311,  
85.3678

■ 16.3523, 10.0758,  
75.2123

■ 87.1538, 91.8664,  
87.2678

■ 91.1430, 98.4372,  
88.3259

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.1306, 31.1147, 76.9604



32.1194, 31.1147, 78.4416



38.1678, 31.1147, 65.3451

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.1194, 31.1147, 78.4416



39.1391, 31.1147, 15.9603



19.7561, 31.1147, 24.6115

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.1194, 31.1147, 78.4416



54.7007, 56.4811, 24.2400

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.3772, 31.1147, 14.5925



32.1194, 31.1147, 78.4416



33.3064, 31.1147, 10.9102

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.1194, 31.1147, 78.4416



42.5784, 31.1147, 27.2706



27.1660, 31.1147, 10.5149



19.5297, 31.1147, 41.4762



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.1194, 31.1147, 78.4416



41.2040, 31.1147, 52.0828



27.1660, 31.1147, 10.5149



20.3677, 31.1147, 20.5036

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.1206, 31.1158, 78.4424



74.4702, 77.6919, 105.6788



44.7051, 63.5301, 60.3012



15.3861, 16.0208, 22.5313



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.1206, 31.1158, 78.4424



34.2725, 31.5308, 98.8874



30.4120, 23.1460, 76.9941



13.9419, 14.6052, 18.2286



9.4429, 5.9480, 43.0335



0.7778, 0.5995, 3.2067



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.9499, 31.1228, 32.5461



51.4140, 32.9318, 32.0687



57.1553, 70.7016, 26.8555



14.5583, 14.4405, 15.8742



19.1599, 9.7982, 4.4708



1.4562, 0.7402, 0.5430



# Previews

## White Background



This preview shows how the XYZ color 32.1194, 31.1147, 78.4416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

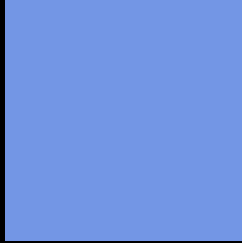
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.1194, 31.1147, 78.4416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

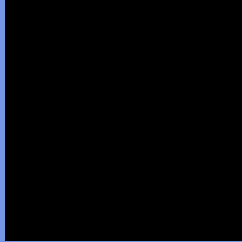
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 32.1194, 31.1147, 78.4416

## Background



This preview shows how black text looks on a background with the XYZ color 32.1194, 31.1147, 78.4416.



This preview shows how white text looks on a background with the XYZ color 32.1194, 31.1147,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

32.1194, 31.1147, 78.4416

### Protanopia

32.7619, 30.9922, 77.6541

### Deuteranopia

31.9886, 31.0472, 78.4355



## Tritanopia

25.4219, 31.1424, 44.7156

# Trichromacy



## Original Color

32.1194, 31.1147, 78.4416

## Protanomaly

32.4968, 31.0894, 77.6869

## Deuteranomaly

31.9886, 31.0472, 78.4355

## Tritanomaly

27.5035, 30.9520, 55.5637

# Monochromacy



## Original Color

32.1194, 31.1147, 78.4416

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

29.0999, 30.0276, 46.3817

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.1194, 31.1147, 78.4416 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(115, 150, 229)` looks like.

```
.text, #text, p{  
    color:rgb(115, 150, 229)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(115, 150, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 150, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 32.1194, 31.1147, 78.4416 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 150, 229) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(115, 150, 229) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(115, 150, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 150, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 150, 229);  
box-shadow:4px 4px 4px 4px rgb(115, 150,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.1194, 31.1147, 78.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 150, 229) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(115,  
150, 229) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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